

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY
LETTERS PATENT OF THE UNITED STATES IS:

1. A laminated stator body for an electrical machine, in particular a
turbogenerator, which laminated stator body is composed of a multiplicity of
5 segmental laminations (1), each segmental lamination (1) being provided on its
radial inside with slots (2) for accommodating conductor bars or conductor coils of
a stator winding, wherein each segmental lamination (1) is provided on its radial
outside with periodically distributed notches (3), the notches (3) of axially adjacent
segmental laminations in the laminated stator body being arranged in alignment
10 with one another.
2. The laminated stator body as claimed in claim 1, wherein the notches (3)
end in a relief opening (4) at their radially inner end.
3. The laminated stator body as claimed in claim 1 or 2, wherein the number
of notches (3) is twice as great as the number of slots (2).
- 15 4. The laminated stator body as claimed in claim 3, wherein the notch depth
 K_T is in the order of magnitude of 20% of the yoke height J_H .
5. The laminated stator body as claimed in claim 1 or 2, wherein the number
of notches (3) is equal to the number of slots (2).
6. The laminated stator body as claimed in claim 5, wherein the notch depth
20 K_T is in the order of magnitude of 40% of the yoke height J_H .
7. The laminated stator body as claimed in one of the preceding claims,
wherein the notches (3) have a width of between 0.5 mm and 1 mm.